

*Amendments*

*In the Claims:*

Please add the following claims:

Sub 06  
106. A system for locating a tag, wherein each tag is assigned a first permanent identification number and a second permanent identification number, the system comprising:

a tag reader configured to a first value corresponding to the first permanent identification number of a tag to be located and a second value corresponding to the second permanent identification number of a tag to be located ; and

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a tag that transmits, in response to receiving said first value, the first permanent identification number assigned to said tag when the first permanent identification number assigned to said tag corresponds to said first value, wherein said tag further transmits, in response to receiving said second value, the second permanent identification number assigned to said tag when the second permanent identification number assigned to said tag corresponds to said second value.

107. A radio frequency identification tag, wherein each tag is assigned a first permanent identification number and a second permanent identification number, wherein the tag is interrogated by a tag reader having means for transmitting a first clock signal and for incrementing a first reader count in response to the first clock signal, means for storing the first reader count when more than one tag responds to the first clock signal that corresponds to the first reader count, and means for transmitting the stored first reader count followed by a second clock signal, the tag comprising:

means for incrementing a first tag count in response to the first clock signal, and  
means for transmitting the first permanent identification number assigned to the tag when the permanent identification number of the tag corresponds to said first tag count,

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means, responsive to a determination that the transmitted first reader count corresponds to the first permanent identification number assigned to the tag, for incrementing a second tag count in response to receiving the at least one second clock signal, and  
means for transmitting the second permanent identification number assigned to the tag when the second permanent identification number of the tag corresponds to said second tag count.

108. A method for conducting an inventory of tags, wherein each tag is assigned a first permanent identification number and a second permanent identifications number, the method comprising the steps of:

at a tag reader, transmitting a first clock signal, waiting for a reply from a plurality of the tags, and transmitting a first reader count followed by a second clock signal; and

at each tag,

incrementing a first tag count in response to said first clock signal and

transmitting the first permanent identification number assigned to said tag when the first permanent identification number of said tag corresponds to said first tag count;

at each tag that responds to said transmitted first reader count,

incrementing a second tag count in response to said second clock signal, and

transmitting the second permanent identification number assigned to said tag when the second permanent identification number of said tag corresponds to said second count.